03-2597
Thomas
CRC Data Protection for Non-Block-Oriented Data

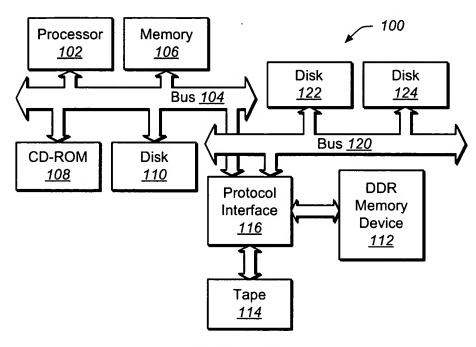


FIG._1

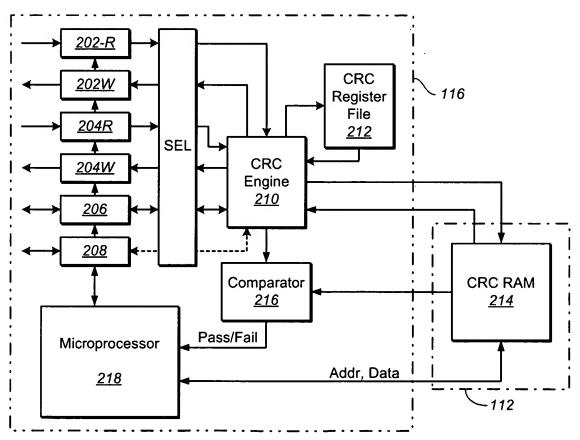


FIG._2

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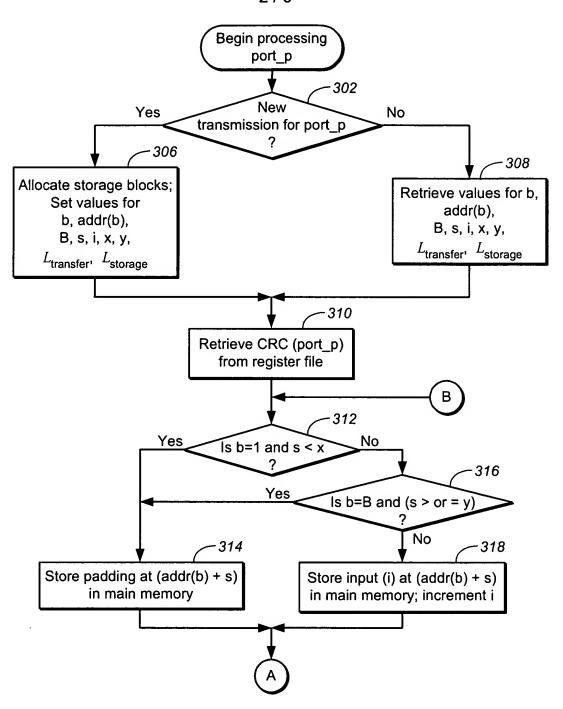


FIG._3A

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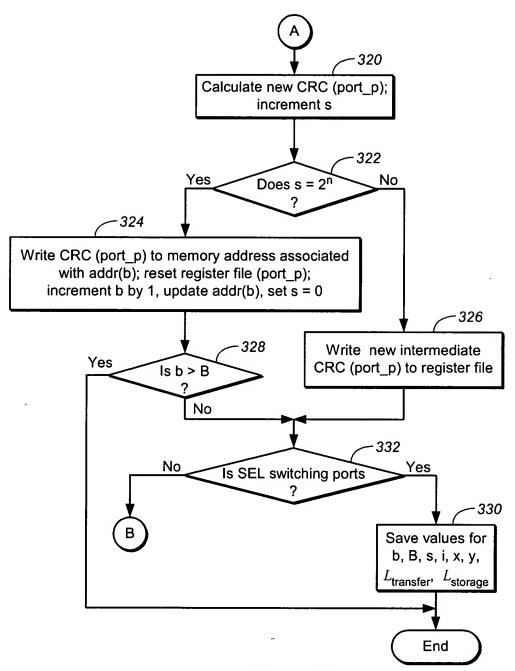


FIG._3B

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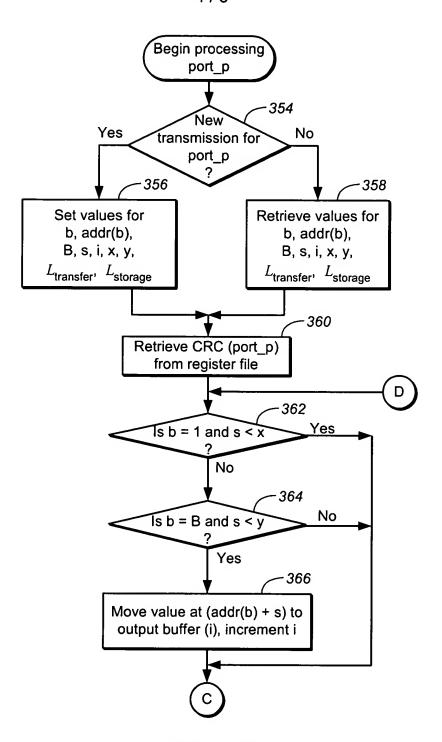


FIG._3C

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5/5 -368 Use value of (addr(b) + s) in calculating new CRC, save to CRC (port_p); increment s 370 No Does $s = 2^n$ Yes -372 Does new CRC match stored No **CRC** - 374 Yes -376 Initiate error recovery Data OK'd; Clear CRC (port p) process in register file; increment b, set new addr(b), set s = 0-378 Yes Is b > B No -380 No Is SEL switching ports Yes -382 Save values for b, addr(b), B, s, i, x, y, $L_{\rm transfer}, \ L_{\rm storage}$ End

FIG._3D